

From: Cavan, Emma L <e.cavan@imperial.ac.uk>
Subject: Re: [project] biofuel paper
Date: April 8, 2020 at 16:05
To: Ho, Pok <pok.ho19@imperial.ac.uk>

Hi Pokman,

No problem at all.

I didnt suggest a particular paper, I just meant the entire biofuel literature. There should be a lot out there. You could also google which University/research/company groups are doing algal biofuel work. I know there is some being done in the UK but cant remember where.

Biofuel research could be useful to you because they will grow algae and then harvest them at some point or continually. They will harvest to maximise algal growth at the lowest economical cost. Both lab and modelling studies will be useful to read so you can learn and understand about harvesting algae. The difference is your algal would be stored in sediments so the carbon is locked away whereas the biofuel algae would be used for fuel. Does this make sense?

That's why i said it was a few days of work to really understand the biology behind it all.

Emma

From: Ho, Pok <pok.ho19@imperial.ac.uk>
Sent: 08 April 2020 3:44 PM
To: Cavan, Emma L <e.cavan@imperial.ac.uk>
Subject: [project] biofuel paper

Dear Emma,

Sorry for the interruption. May I confirm which paper did you mention about the biofuel? Is it entitled "Integration of Microalgae systems at municipal wastewater treatment plants: implications for energy and emission balances" (<https://pubs.acs.org/doi/full/10.1021/es301967y>)?

For this paper there's no mathematical model, so I can only look into their measurements and how they harvest the carbon from experimental systems. And this info would be useful in methodology / discussion. Is this the aim in your suggestion this morning?

Best,
PokMan